

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
Group Art Unit 3746

Patent Application of

Lyon Brad King

Application No. 10/693,127

Confirmation No.: 1822

Filed: October 24, 2003

Examiner: Not Yet Assigned

“THRUSTER APPARATUS AND
METHOD”

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR §1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Examiner's attention is directed to the references which are listed on the attached Form PTO/SB/08A and/or PTO/SB/08B and copies of which are attached.

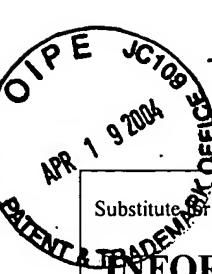
Citation of these references is respectfully requested.

No concession is made that these documents are prior art, and Applicant expressly reserves the right to antedate the documents as may be appropriate.

Respectfully submitted,

Daniel S. Jones
Reg. No. 42,697

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>	
Sheet	1	of	2	Application Number	10/693,127
				Filing Date	October 24, 2003
				First Named Inventor	Lyon Brad King
				Group Art Unit	3746
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	066040-9764-00

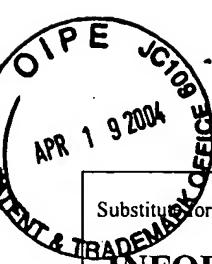
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
	Jankovsky, R., Tverdokhlebov, S., and Manzella, D., "High Power Hall Thrusters," AIAA Paper No. AIAA-99-2949, Proc. of 35th Joint Propulsion Conference, June 20-23, 1999, Los Angeles, CA. Published prior to October 24, 2002.
	Tverdokhlebov, O.S., and Semenkin, A.V., "Iodine propellant for electric propulsion — To be -or not to be," AIAA-2001-3350, 37th AIAA/ASME/SAE/ASEE Joint Propulsion Conference Pasadena, CA. Published prior to October 24, 2002.
	Dressler, R.A., Chiu, Y. —H., and Levandier, D.J., "Propellant alternatives for ion and Hall effect thrusters," AIAA-2000-0602, 38th Aerospace Sciences Meeting, Jan. 10-13, 2000, Reno, NV. Published prior to October 24, 2002.
	Tverdokhlebov, O.S., Semenkin, A., and Polk, J., "Bismuth propellant option for very high power TAL thruster," AIAA-2002-0348, 40th Aerospace Sciences Meeting, Reno, NV. Published prior to October 24, 2002.
	Choueiri, E.Y., Chiravalle, V., Miller, G.E., Anderson, W., and Bland, J., "Lorentz force accelerator with an open-ended lithium heat pipe," AIAA-96-2737. Published prior to October 24, 2002.
	Emsellem, G., Kodys, A.D., and Choueiri, E.Y., "Thermal analysis of a Lorentz force accelerator with an open lithium heat pipe," IEPC-99-166. Published prior to October 24, 2002.
	Khartov, S., Serovaisky, V., Smakhtin, A., Tchuyan, R., and Valentian, D., "The investigation of the temperature field in the SPT structure elements," IEPC-95- 174, Proc. of — 1995 International Electric Propulsion Conference. Published prior to October 24, 2002.
	Butler, G.W., Yuen, J.L., Tverdokhlebov, S.O., Semenkin, A.V., and Jankovsky, R.S., "Multimode, high specific impulse Hall thruster technology," AIAA-2000-3254, 36th AIAA/ASME/SAE/ASEE Joint Propulsion Conference, Huntsville, AL, July 17-19, 2000. Published prior to October 24, 2002.
	Pote, B. and Tedrake, R., "Performance of a high specific impulse Hall thruster," IEPC-01- 035, Proceedings of 27th International Electric Propulsion Conference, Pasadena, CA, Oct. 15-19, 2001. Published prior to October 24, 2002.

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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Sheet	2	of	2	Attorney Docket Number	066040-9764-00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
		Raitses, Y., Doff, L.A., Litvak, A.A., and Fisch, N.J., "Plume reduction in segmented electrode Hall thruster," Journal of Applied Physics, Vol. 88, No. 3, Aug. 2000, pp. 1263-1270. Published prior to October 24, 2002.

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